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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: application of:

Theoharis C. Theoharides

Serial No. 09/771,669

Filed: 01/30/2001

For: Synergistic Proteoglycan Compositions For Inflammatory Conditions

Group Art Unit 1615  
Examiner: TBA

SECOND PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, DC 20231  
BOX NON-FEE AMENDMENT

PRE 5/18  
5/18  
8-19-01

Sir:

This is an supplement to the Preliminary Amendment first filed on 08/03/01, and refiled on 08/21/01 in response to a Notice of Non-Compliance under revised Rule 121 mailed 08/16/01. Prior to examination, please enter the present Second Preliminary Amendment.

In The Claims (Clean Copy)

I claim:

1. A composition with synergistic anti-inflammatory properties for use in conditions induced by inflammatory biomolecules released from mast cells by the activation and degranulation of mast cells, comprising a non-bovine proteoglycan and one or more of a hexosamine sulfate, a flavonoid, kernel olive oil, S-adenosylmethionine, and a histamine-1-receptor antagonist, in an appropriate excipient or vehicle for oral or topical administration.

2. The composition according to claim 1, wherein said proteoglycan is selected from the group consisting of non-bovine chondroitin sulfate, keratan sulfate, dermatan sulfate and hyaluronic acid.

3. The composition according to claim 2, wherein said chondroitin sulfate is derived from shark cartilage.

4. The composition according to claim 1, wherein said hexosamine sulfate is D-glucosamine sulfate.

5. The composition according to claim 1, wherein said flavonoid is selected from the